



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



April 22, 2002
Letter of Deficiency
DAM #124.01

Mr. C. Stanton Gallup Estate
Brown, Jacobson, Tillinast, Lahan & King
22 Courthouse Square
P.O. Box 391
Norwich CT 06360-0391

RE: Squantum Village Dam, Jaffrey

Dear Mr. Stanton:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on October 11, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

There was beaver debris approximately 5 feet upstream of the overflow spillway raising the impoundment by approximately 6 inches;

2. The earth berm along the left side of the dam, which was 3 to 4 feet higher than the adjacent road and crest of the dam at the spillway section was overgrown with trees and brush along the upstream and along the crest of the berm. Additionally, some tree and brush growth was observed around the upstream concrete spillway;
3. There were a few areas of sparse vegetation along the earth berm with some vehicle ruts along the downstream toe of the berm; and
4. There was no operation and maintenance plan on file with DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

August 1, 2002:

1. Remove the beaver debris approximately 5 feet upstream of the overflow spillway;
2. Remove the overgrowth of trees and brush along the upstream and along the crest of the left earth berm as well as around the upstream concrete spillway;
3. Upon removal of the trees and brush along the berm and around the upstream spillway, repair the tire ruts along the downstream toe of the berm and establish an erosion resistant grass cover in the sparsely covered area and any area disturbed by repair work; and

Letter of Deficiency
Dam #124.01
April 22, 2002
pg. 2

4. Prepare and submit to DES a written operational procedure plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel (refer to the enclosed guidelines).

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

COPY

Dale F. Guinn, P.E.
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB13

cc: Gretchen Rule

Town of Jaffrey

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